

Notice of Allowability

Application No.

10/674,348

Examiner

James M McAleenan

Applicant(s)

BINETRUY ET AL.

Art Unit

3745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☒ The drawings filed on 01 October 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 10/1/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The instant invention is deemed to be directed to an unobvious improvement over Hyde et al. (U.S. Patent Number 5,417,501) (see Figures 1, 3-4 and Col. 2, lines 20-44). Hyde et al. discloses a system for decoupling a fan of a turbojet, wherein the turbojet includes a moving fan shaft (11) mounted on bearings (15) each connected to a stationary structure (22) of the turbojet by bearing supports (15) (see Figures 3-4 and Col. 2, lines 35-44 and 60-67). Hyde et al. discloses the bearing supports (15) fixed to the stationary structure (22) of the turbojet with mechanical links serve during normal operation of the turbojet to transmit the forces generated by rotation of the fan (see Figures 3-4 and Col. , lines 60-67 and Col. 3, lines 1-27). Hyde et al. discloses a means for preventing high radial loads from being generated by using breakable bolts (23) which would prevent the loss of engine attachment to the airframe (see Col. 3, lines 42-67 and Col. 4, lines 25-30). The improvement comprises in combination of: 1) a system for decoupling a fan of a turbojet, wherein mechanical links include explosive charges enabling the links to be broken; 2) the explosive charges are controlled by a full authority digital engine control computer that measures the mechanical stresses in the turbojet and the computer model simulating the static, dynamic and thermodynamic behavior of the turbojet.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee, and to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "comments on Statement of Reasons for allowance."

Art Unit: 3745

PRIOR ART

The prior art made of record but not relied upon is considered pertinent to applicant's disclosure and consists of 2 patents. Note, French Pat. No. 2,752,024 was not considered because it was not translated from French into English.

Hartley (U.S. Patent Number 5,104,063) is cited to show the use of explosives with a turbine.

Livermon (U.S. Patent Number 2,467,140) is cited to show the use of explosives with a turbine.

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M McAleenan whose telephone number is 703-308-2827. The examiner can normally be reached on M-F 8:30-4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on 703-308-1044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3745

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James M. McAleenan
Patent Examiner
703-308-2827

J. M. McAleenan 10/24/04

F. Daniel Lopez
F. DANIEL LOPEZ
PRIMARY EXAMINER